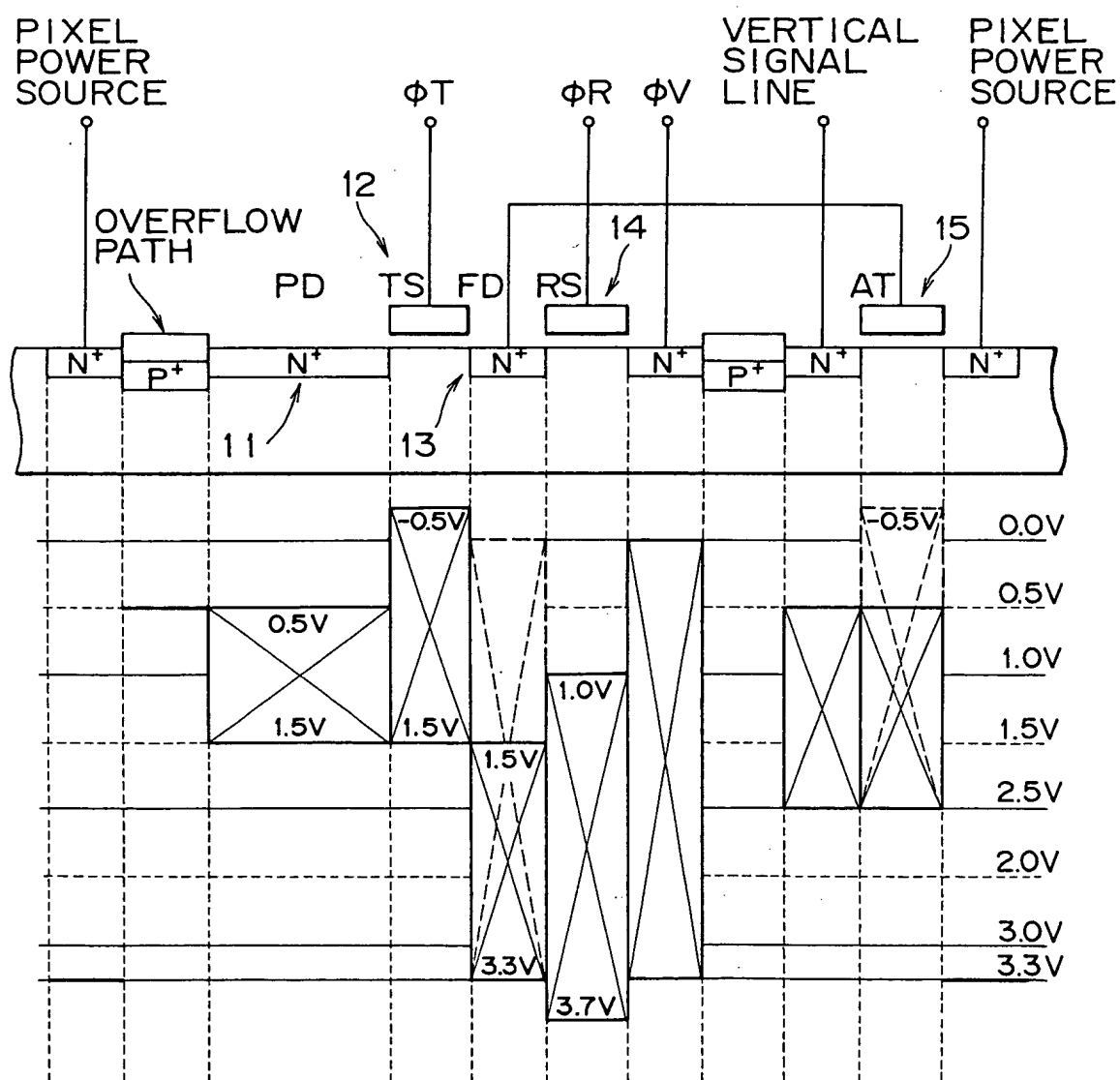
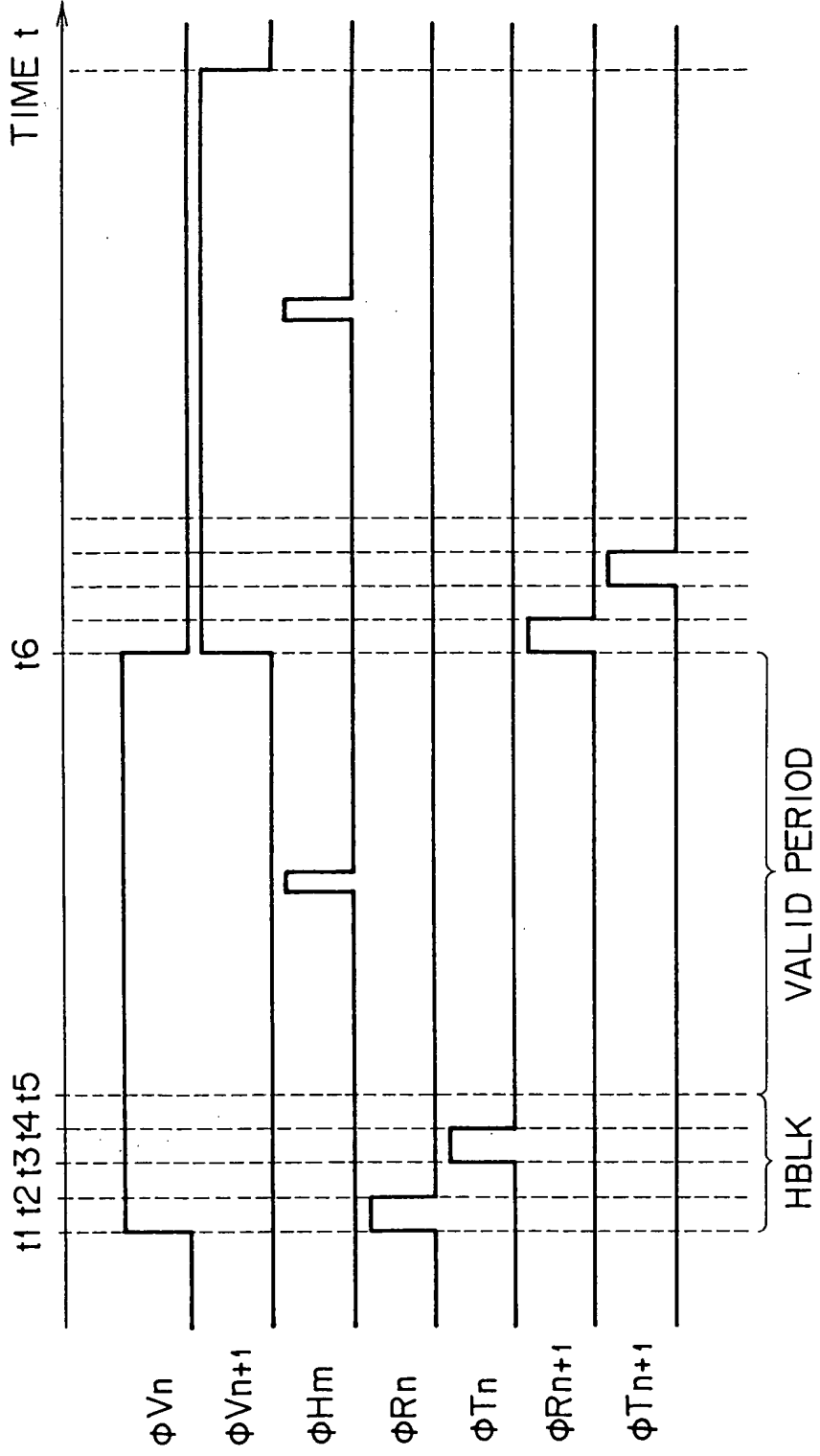


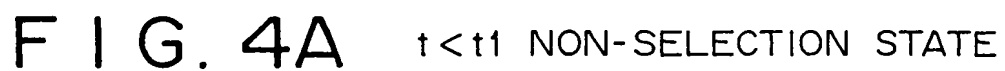
FIG. 2



09327523.060899

FIG. 3





0932753.06000

FIG. 5A $t_3 < t < t_4$ TRANSFER OF SIGNAL CHARGE FROM PD TO FD

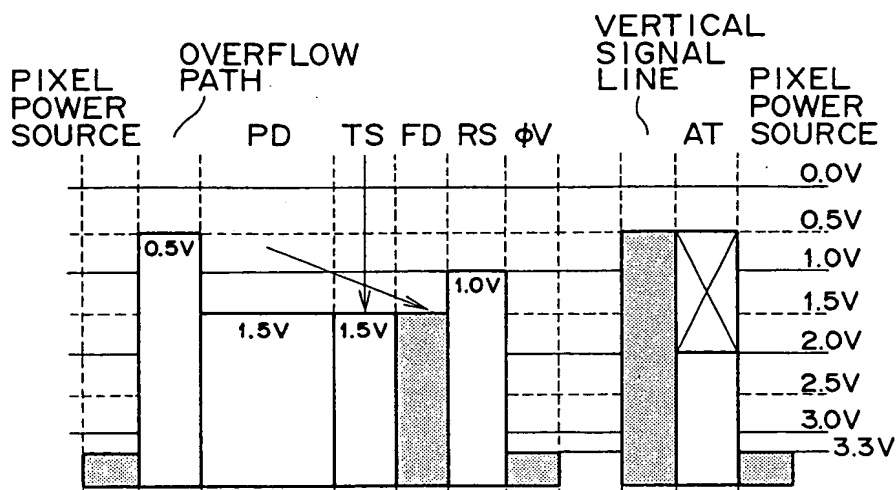


FIG. 5B $t_4 < t < t_5$ SIGNAL LEVEL READ-OUT

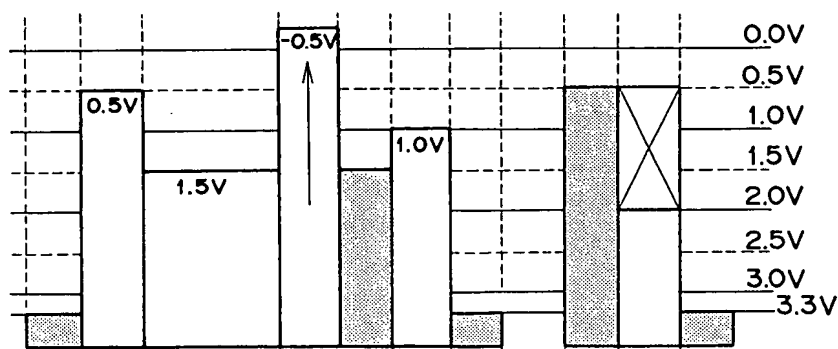


FIG. 5C $t_6 < t$ NON-SELECTION STATE

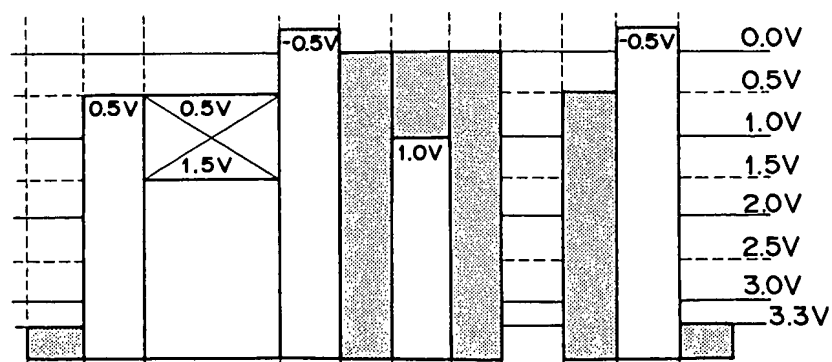
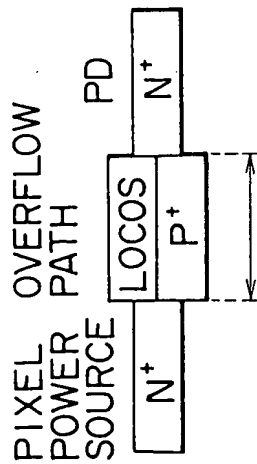
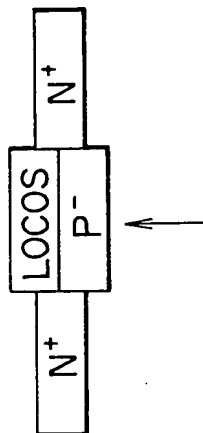


FIG. 6A



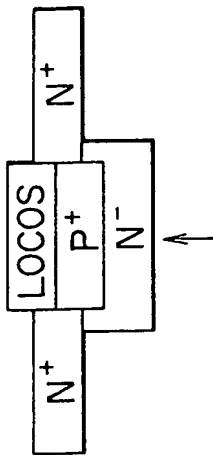
THE DISTANCE
IS REDUCED

FIG. 6B



THE DENSITY OF P
REGION OF CHANNEL
STOP IS REDUCED

FIG. 6C



N- REGION IS
POSITIVELY FORMED

FIG. 6D

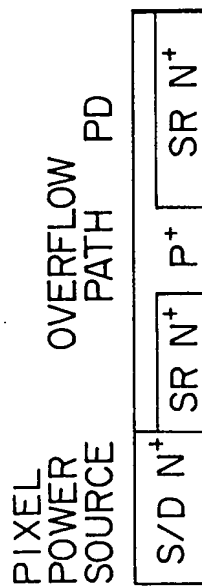


FIG. 6E

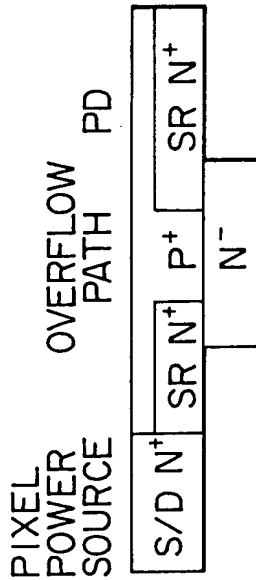


FIG. 7

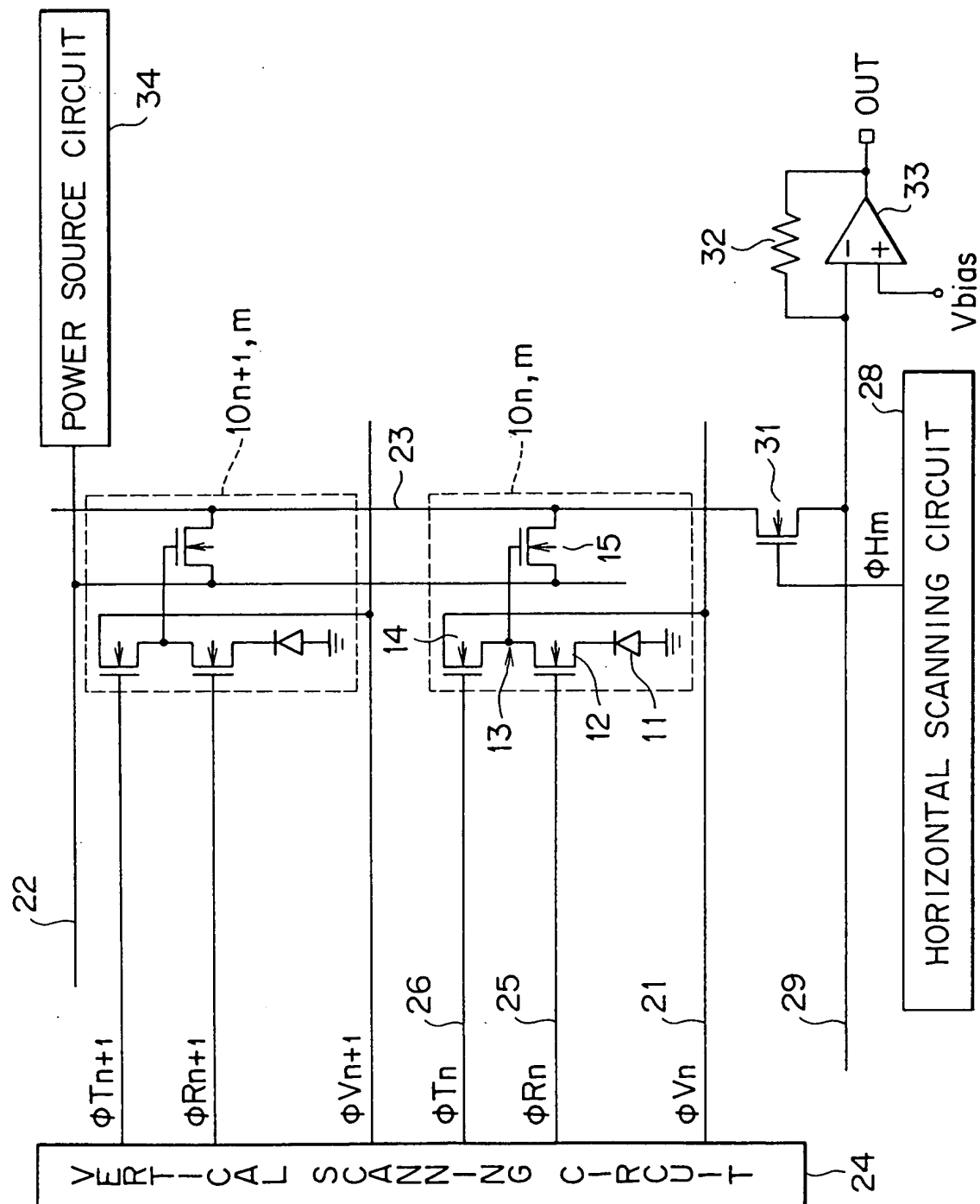
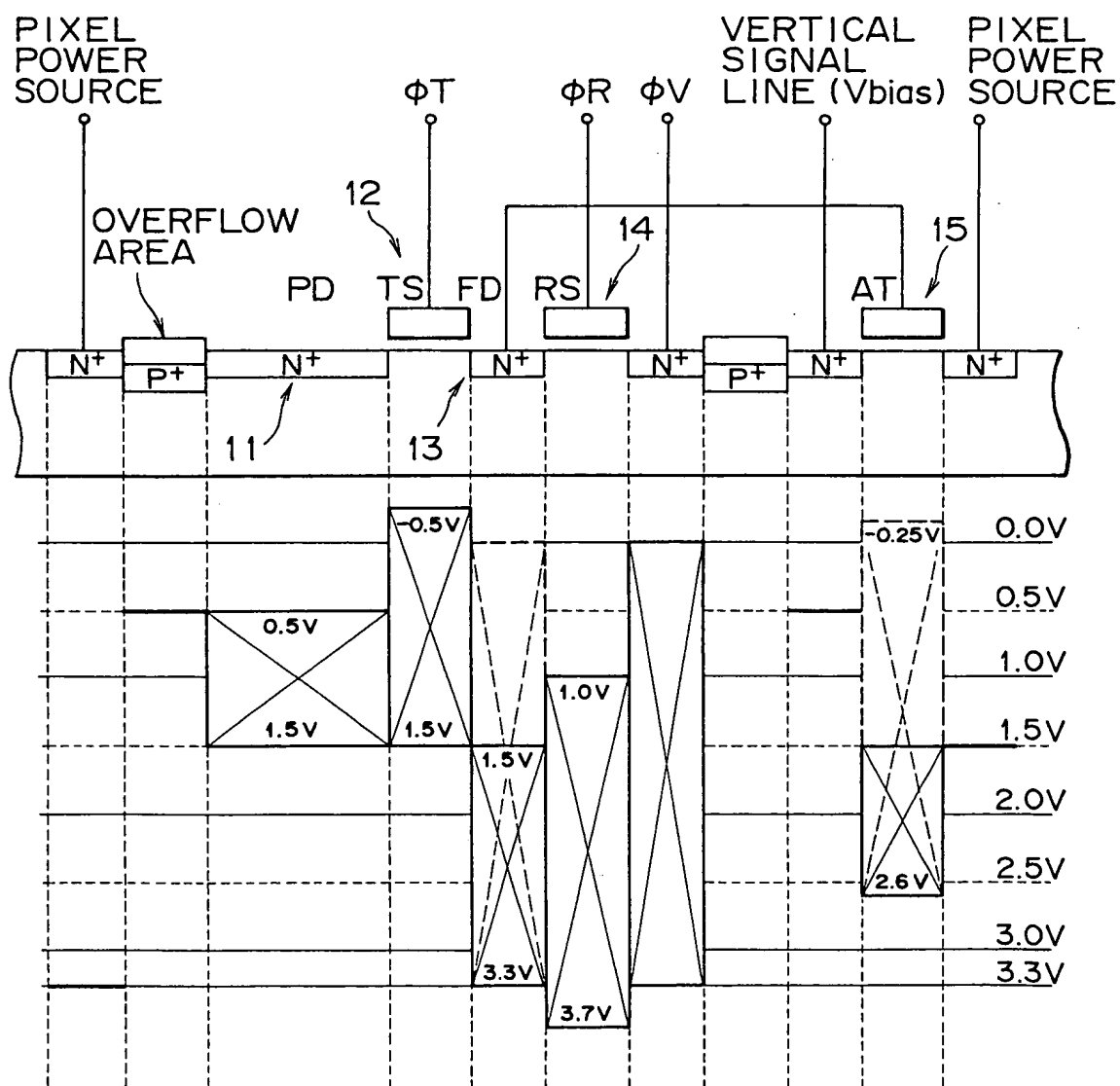


FIG. 8



668090" E25/2E60

FIG. 9

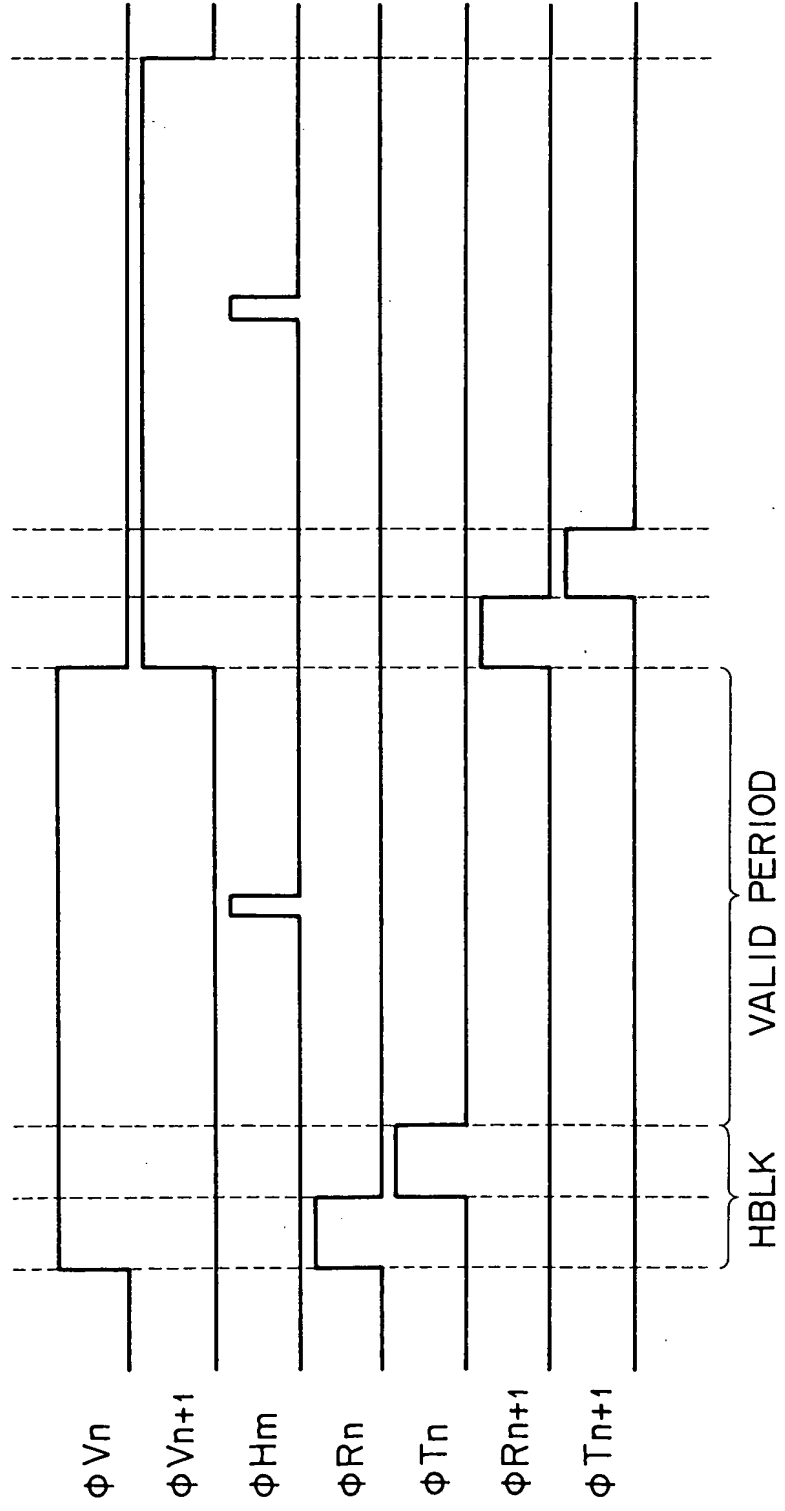
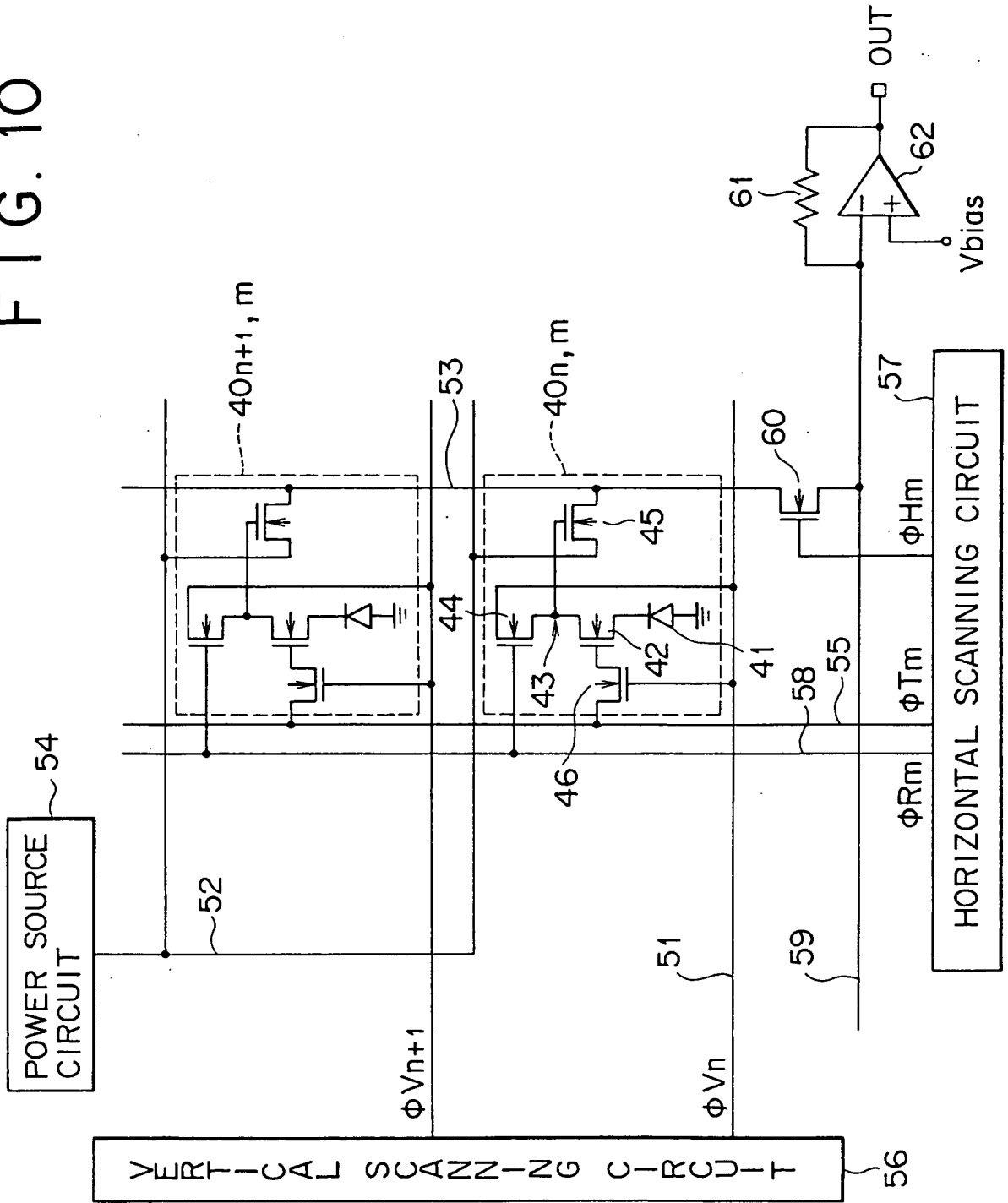


FIG. 10



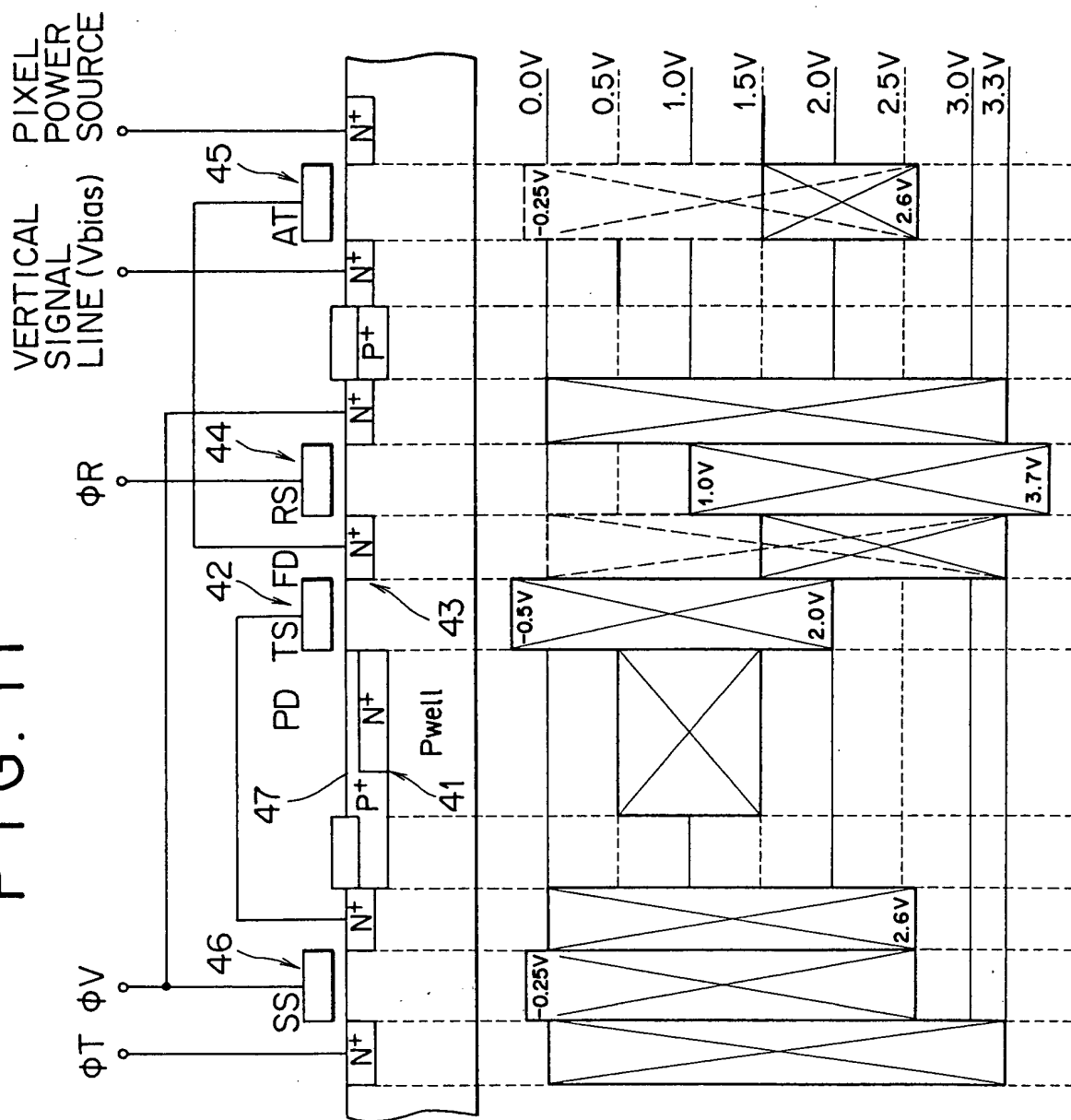


FIG. 12

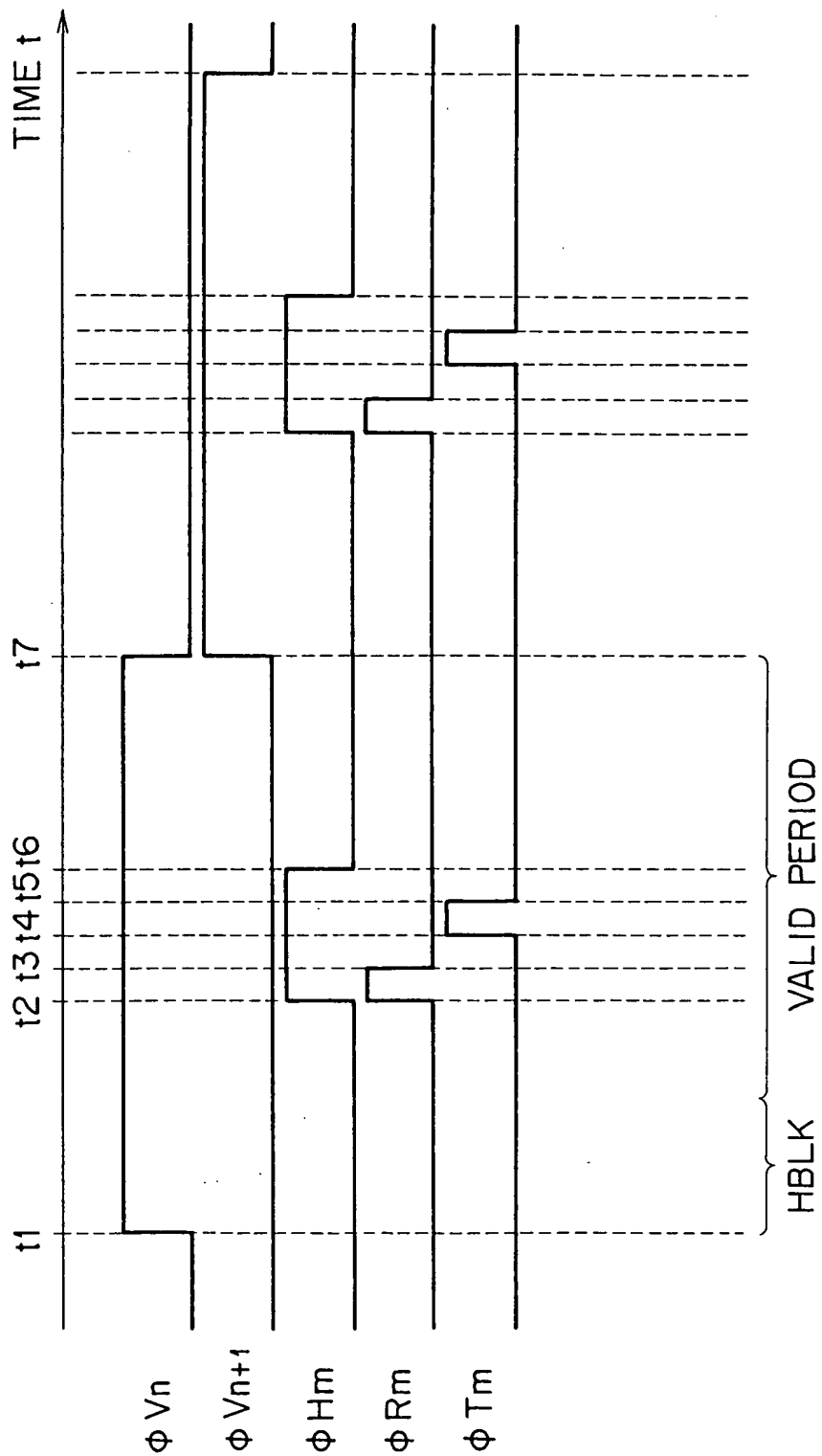


FIG. 13A $t < t_1$ NON-SELECTION STATE

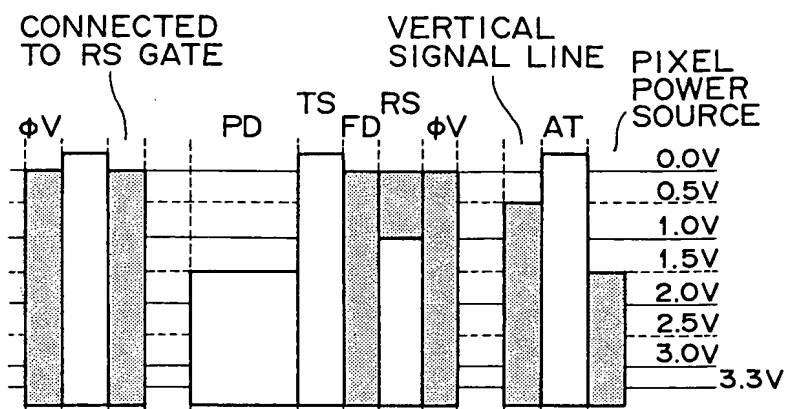


FIG. 13B $t_1 < t < t_2$ SELECTION

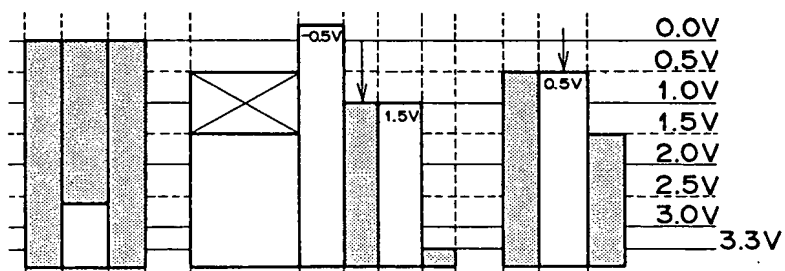


FIG. 13C $t_2 < t < t_3$ FD RESET

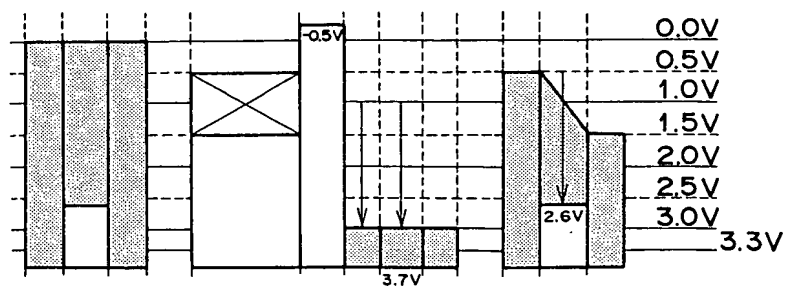
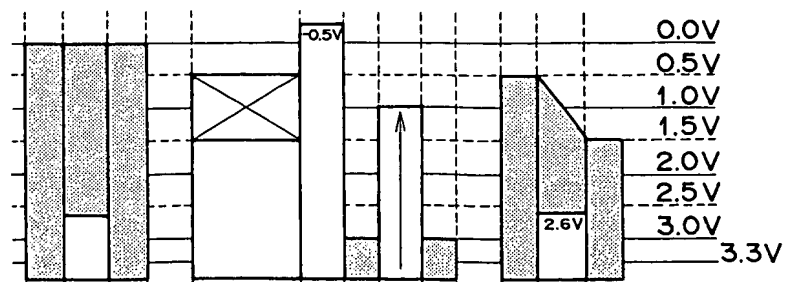


FIG. 13D $t_3 < t < t_4$ FD RESET



09327523.060899

09327523.050899

FIG. 14A $t_4 < t < t_5$ TRANSFER OF STORED CHARGES FROM PD TO FD

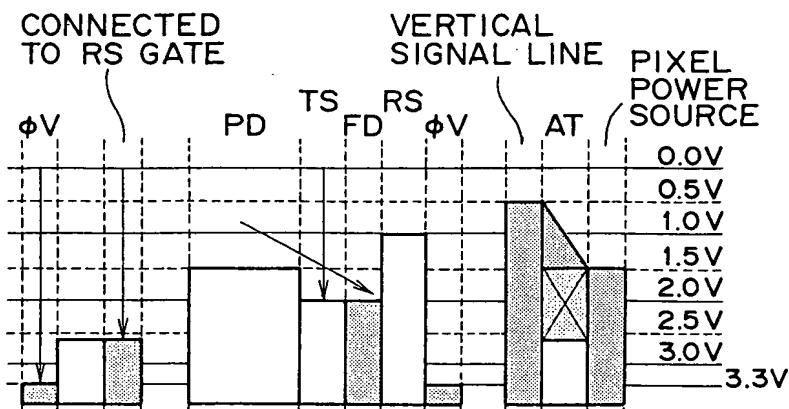


FIG. 14B $t_5 < t < t_6$ SIGNAL LEVEL READ-OUT

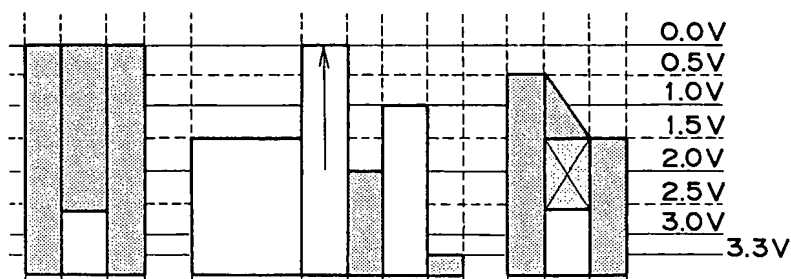
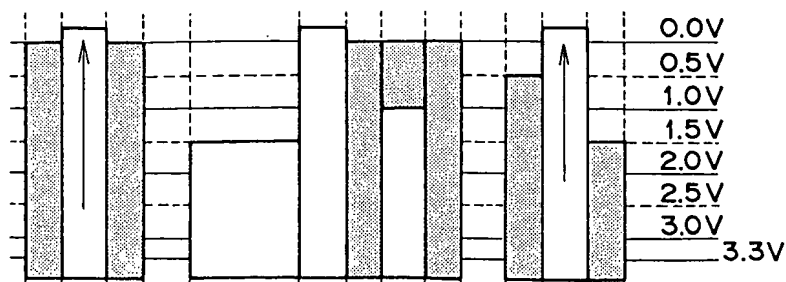


FIG. 14C $t_7 < t$ NON-SELECTION



09327523-060899

FIG. 15A $t < t_1$

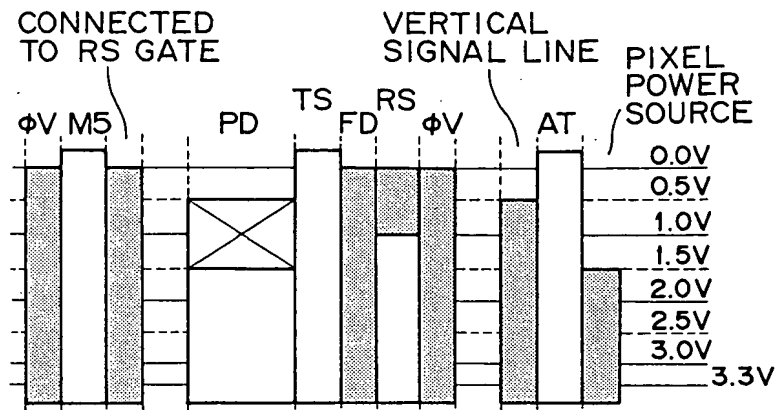


FIG. 15B $t_1 < t < t_2$

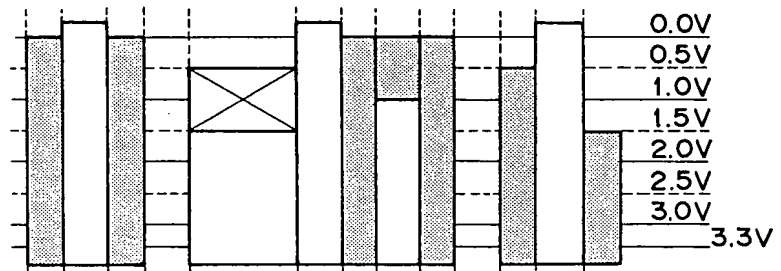


FIG. 15C $t_2 < t < t_3$

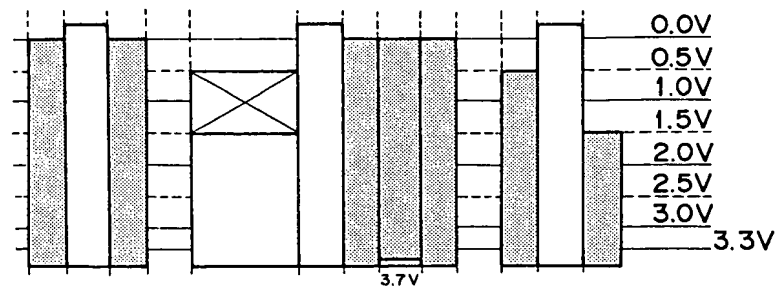


FIG. 15D $t_3 < t < t_4$

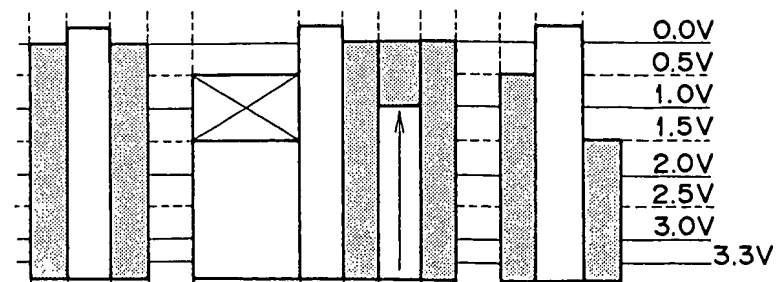


FIG. 16A $t_4 < t < t_5$

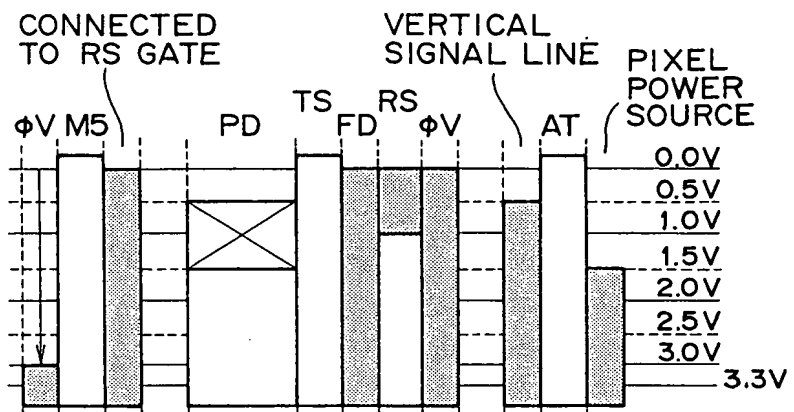


FIG. 16B $t_5 < t < t_6$

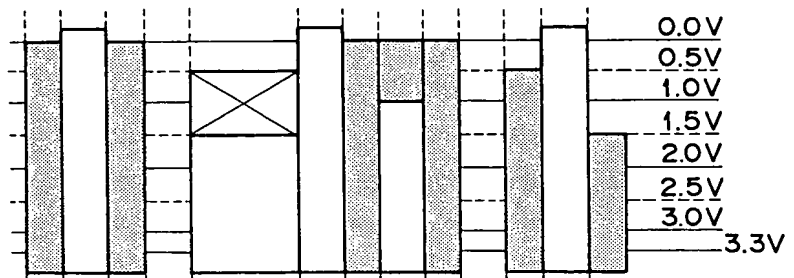
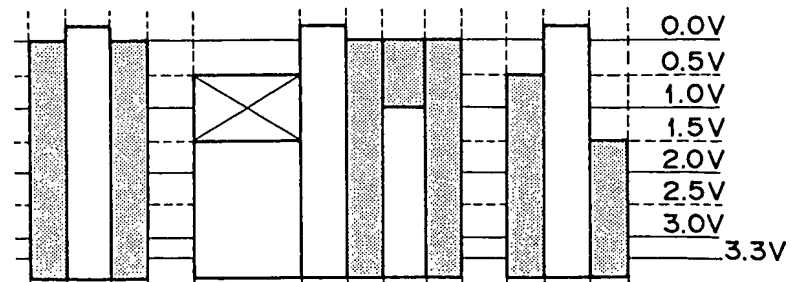


FIG. 16C $t_7 < t$



668090 "E25/2E60

FIG. 17

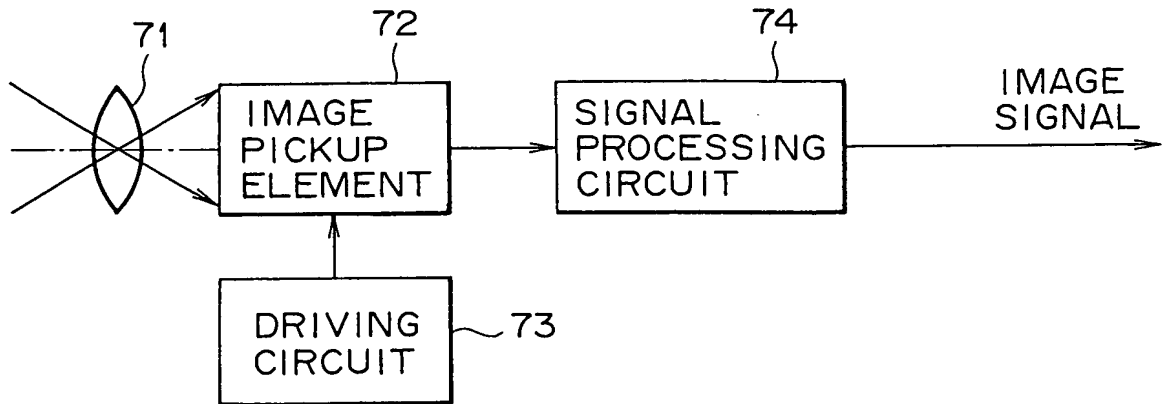


FIG. 18

